***Statement***

*Roads constructed by BRO*

| SI. No. | Name of Project | No. of roads Taken up during 2004-2005 | Amount sanctioned for each project *(Rs. in* Crs) | Amount utilized for each project *(Rs. in Crs)* | Present Status | Time set for completion of roads in the Project |
|---|---|---|---|---|---|---|
| 1. | Himank | 10 | 120.75 | 120.54 | Under Construction | 2005-2006 to 2015-2016 |
| 2. | Beacon | 12 | 150.41 | 144.25 | Under Construction | 2005-2006 to 2014-2015 |
| 3. | Sampark | 05 | 82.40 | 84.18 | Under Construction | 2005-2006 to 2012-2013 |
| 4- | Deepak | 16 | 115.48 | 116.90 | Under Construction | 2006-2007 to 2011-2012 |
| 5. | Chetak | 11 | 70.15 | 66.72 | Under Construction | 2005-2006 to 2007-2008 |
| 6. | Hirak | 01 | 80.63 | 80.63 | Under Construction | 2005-2006 to 2017-2018 |
| 7. | Dantak | 02 | 101.46 | 94.07 | Under Construction | 2005-2006 to 2008-2009 |
| 8. | Vartak | 07 | 136.51 | 138.63 | Under Construction | 2005-2006 to 2016-2017 |
| 9. | Udayak | 05 | 86.63 | 81.57 | Under Construction | 2005-2006 to 2008-2009 |
| 10. | Sewak | 03 | 71.79 | 70.79 | Under Construction | 2005-2006 to 2007-2008 |
| 11. | Setuk | 08 | 177.50 | 158.29 | Under Construction | 2005-2006 to 2008-2009 |
| 12. | Pushpak | 06 | 72.59 | 74.21 | Under Construction | 2005-2006 to 2008-2009 |
| | TOTAL: | 86 | 1266.30 | 1230.78 | | |

**Closure of Jammu-Srinagar National Highway due to landslides**

3074. SHRI RAVULA CHANDRA SEKAR REDDY: Will the Minister of DEFENCE be pleased to state:

(a) whether the Jammu-Srinagar National Highway was closed many times for vehicular traffic due to landslides during the current year;

(b) if so, the details of each case closed;

(c) whether the BRO had prepared any road map to clear the landslides to tackle such situations;

(d) if so, the details thereof;

(e) the amount spent by Government in removing the landslides during the current year;

(f) the man-power used by Government to tackle these cases during the current year;

(g) whether Government had sanctioned extra amount for this purpose in the second half of the current year; and

(h) if so, the details thereof?

THE MINISTER OF DEFENCE (SHRI PRANAB MUKHERJEE): (a) Yes, Sir.

(b) Details of closure have been indicated in the attached Statement. (See below)

(c) Yes, Sir. A Road Map in the form of Standard Operating Procedures (SOPs) for clearance of land and snow slides are already in place.

(d) Adequate resources have been deployed at all slide points along the Jammu-Srinagar National Highways (NH-1A). Generally not more than 3 to 4 hours are taken to clear road blocks. Action has also been taken by entrusting studies to expert organizations like Geological Survey to India (GSI), Defence Research Development Organisation (DRDO), National Resource Data Management and Snow Avalanche Study Establishment (SASE) for stabilizing and containing this kind of activity.

(e)Rs. 238.15 lakhs.

(f) 15429 man days has been utilized.

(g) and (h) Slide clearance work has been done by BRO within the existing budget allocation for the current year.

***Statement***

*Details of road closure on NH1A due to landslides/snowslides*

| Sl. No. | Date | Location | Duration of blockage | Reasons for blockage | Remarks |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | 1st January 2005 | 151 to 181 201 to 224 | 05.40 Hrs | Due to Heavy snow fall | |
| 2. | 3rd January 2005 | 151 to 181 201 to 223 | 06.00 Hrs | Due to Heavy snow fall | |
| 3. | 4th January 2005 | 202 to 219 | 03.00 Hrs | Due to Heavy snow fail | |
| 4. | 21st January 2005 | 201 to 212 | 05.00 Hrs | Due to Heavy snow fall | |
| 5. | 22nd January 2005 | 100 to 125 210 to 220 | 18.30 Hrs | Due to Heavy snow fall | |
| 6. | 23rd January 2005 | 181 to 220 | 03.45 Hrs | Due to Heavy snow fall | |
| 7. | 25th January 2005 | 192 to 215 | 04.00 Hrs | Due to Heavy snow fall | |
| 8. | 28th January 2005 | 100 to 125 192 to 224 | 09.00 Hrs | Due to Heavy snow fall | |
| 9. | 30th January 2005 | 199 to 224 | 18.00 Hrs | Due to Heavy snow fall | |
| 10. | 31st January 2005 | 151 to 224 | 04.00 Hrs | Due to Heavy snow fall | |
| 11. | 4th February 2005 | 199 to 212 | 08.30 Hrs | Due to Heavy snow fall | |
| 12. | 5th February 2005 | 181 to 204 | 09.30 Hrs | Due to Heavy snow fall | |
| 13. | 6th February 2005 | 199 to 212 | 09.30 Hrs | Due to Heavy snow fall | |
| 14. | 7th February 2005 | 100 to 212 | 07.00 Hrs | Due to Heavy snow fall/ Land slides | |
| 15. | 8th February 2005 | 105 to 118 | 03.30 Hrs | Due to Heavy snow fall | |
| 16. | 9th February 2005 | 100 to 212 | 03.00 Hrs | Due to Heavy snow fall/ Land slides | |
| 17. | 10th February 12th February 2005 | 151 to 212 | 3 days | Due to Heavy snow fall/ Land slides | |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 18. | 13th February 2005 | 146 to 181 | 1 day | Due to Heavy snow Land slides | fall/ |
| 19. | 16th February 2005 to 27th February 2005 | 80 to 151, 199 to 224 | 12 days | Due to Heavy snow Land slides | fall/ Certain stretches in between continued to be open even during this period of snow |
| 20. | 3rd March 2005 | 187 | 01.00 Hrs | Due to land slides | |
| 21. | 6th March 2005 | 76.90 | 1 day & 04.45 Hrs. | Due to land slides | |
| 22. | 12th March 2005 | 132.90 | 04.30 Hrs | Due to land slides | |
| 23. | 13th March 2005 | 76.90 to 132.90 | 04.30 Hrs | Due to land slides | |
| 24. | 1st April 2005 | 154.10. | 02.00 Hrs | Due to land slides | |
| 25. | 2nd April 2005 | 179.45 | 02.00 Hrs | Due to land slides | |
| 26. | 5th April 2005 | 154.10 | 01.30 Hrs | Due to land slides | |
| 27. | 7th April 2005 | 154.10 | 01.30 Hrs | Due to land slides | |
| 28. | 29th April 2005 | 149.00 | 01.00 Hrs | Due to land slides | |
| 29. | 30th April 2005 | 149.00 | 13.00 Hrs | Due to land slides | |
| 30. | 2nd May 2005 | 150.25 to 151.06 | 19.00 Hrs | Due to land slides | |
| 31. | 7th July 2005 | 77.60, 151.50 to 168.50 | 12.00 Hrs | Due to land slides | |
| 32. | 8th July 2005 | 168.40 to 168.50 | 02.00 Hrs | Due to land slides | |
| 33. | 11th July 2005 | 548.50 | 05.00 Hrs | Due to land slides | |
| 34. | 12th July 2005 | 151.50 to 159.50 | 03.00 Hrs | Due to land slides | |
| 35. | 13th July 2005 | 150.04 to 170.80 | 04.00 Hrs | Due to land slides | |
| 36. | 18th July 2005 | 148.50 to 157.00 | 04.00 Hrs | Due to land slides | |
| 37. | 19th July 2005 | 166.10 | 02.00 Hrs | Due to land slides | |
| 38. | 22nd July 2005 | 146.00 to 150.25 | 10.00 Hrs | Due to land slides | |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| 39. | 27th July 2005 | 150.01 to 158.10 | 01.00 Hrs | Due to land slides | |
| 40. | 1st August 2005 | 146.00 to 147.40 | 07.00 Hrs | Due to land slides | |
| 41. | 27th August 2005 | 166.20 to 168.50 | 02.00 Hrs | Due to land slides | |
| 42. | 3rd September 2005 | • 22.00 | 03.00 Hrs | Due to land slides | |
| 43. | 23rd September 2005 | 161.00 to 166.00 | 01.45 Hrs | Due to land slides | |

Note:- The Jawahar Tunnel is closed from 2000 hours to 0800 hours every day. Certain road closure period as shown above fall into this tunnel closure period. Hence the overall effective closure periods will be far less.

**Installed capacity of wind energy**

3075. SHRI RAJU PARMAR: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what is the total installed capacity of wind energy in the country, State-wise; and

(b) the names of companies who are producing wind energy with installed capacity?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) A total wind power capacity of 4228 MW has so far been installed in the country. State-wise information is given in the enclosed Statement (See below).

(b) Wind Farms are set up commercially through private investment. There are about 1700 private investors and the installed capacities of their Wind Farms ranges from 0.250 MW to 83 MW.

However, the major five Wind energy manufacturers in the country are M/s. Suzlon Energy Ltd (1417 MW), M/s. Enercon (India) Ltd (665 MW), M/s Vestas RRB (410 MW), M/s. NEG-Micon (India) Pvt. Ltd (589 MW) and M/s. NEPC India Ltd (198 MW).